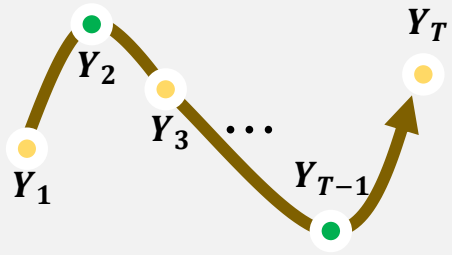
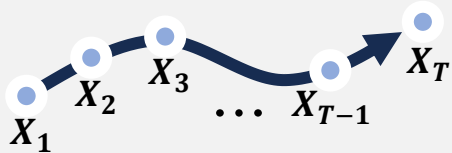
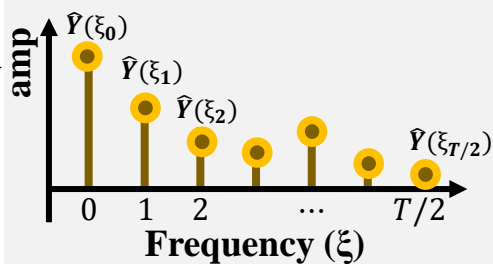
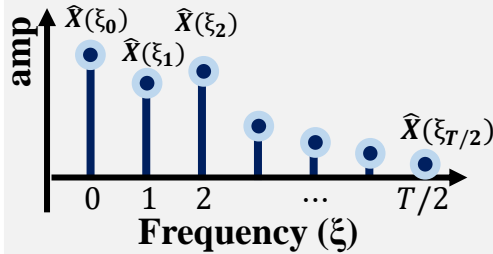


1. Embedding space



- : Real video frame feature
- : Fake video frame feature
- : Inconsistent feature

2. Temporal Amplitudes



- : Real amplitude at ξ_t
 - : Fake amplitude at ξ_t
- $\hat{X}(\xi_t) \in \mathbb{R}^d$ at frequency ξ_t

Spatial Quality

Temporal Quality

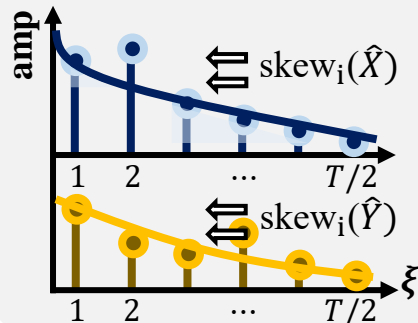
3. STREAM-S

$$\text{STREAM-F} = \frac{\#(\hat{Y}(\xi_0) \in \text{supp}(\hat{X}(\xi_0)))}{\# \hat{X}(\xi_0)}$$

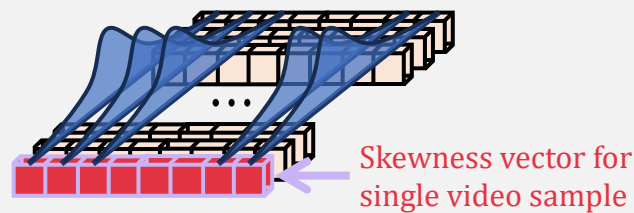
$$\text{STREAM-D} = \frac{\#(\hat{X}(\xi_0) \in \text{supp}(\hat{Y}(\xi_0)))}{\# \hat{Y}(\xi_0)}$$

4. STREAM-T

(1) Fit to power law and measure skewness



(2) Construct histogram with skewness values:



(3) $\text{STREAM-T} = \frac{1}{d} \sum_i^d \text{corr}(\text{HIST}_x, \text{HIST}_y)$